


<p align="center"><b><u>CERTIFICATE OF MAILING</u></b></p> <p>I hereby certify that this is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on October 16, 2003, and is addressed to:</p> <p>Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p> <p>By:  Typed Name: Jack L. Limper</p>	<p align="center"><b>PATENT</b></p>
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:	Atty. Docket No.:
Application No.:	Examiner:
Filed:	Group:
For:	Date: October 16, 2003

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§1.56 AND 1.97(c)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

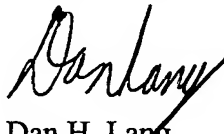
Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 09/563,806, filed May 2, 2000. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is being filed within three (3) months of the filing date of the above-referenced application. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-1652 (Order No. CISC635X1C2).

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Dan Lang", written over a horizontal line.

Dan H. Lang  
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<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	CISCP635X1C2
	Application No.:	Unassigned
	Inventor	Gregory Raleigh et al..
	Group	Unassigned
	Filing Date	Herewith
	Mail Date	October 16, 2003

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,132,694	7/1992	Sveenivas	342	373	
	B	5,260,968	11/1993	Gardner et al.	375	1	
	C	5,274,844	12/1993	Harrison et al.	455	25	
	D	5,386,589	1/1995	Kanai	455	69X12/1993	
	E	5,412,414	5/1995	Ast et al.	342	372X	
	F	5,428,712	6/1995	Elad et al.	395	51	
	G	5,459,668	10/1995	Dogan et al.	364	456	
	H	5,495,256	2/1996	Piper	342	378X	
	I	5,515,378	5/1996	Roy III, et al.	455	525	
	J	5,542, 101	7/1996	Pal	455	276.1	
	K	6,006,110	12/1999	Raleigh	455	561	
	L	6,101,399	8/2000	Raleigh et al.	455	561	
	M	6,219,561	2/2001	Raleigh	455	561	

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class/Sub class	Translation	
						Yes	No
	N	WO94/09568	4/94	PCT	H04B1/10		
	O	EP 0142293 A3	10/84	Europe	G01S7/28		
	P	EP 0595247A1	10/93	Europe	H010Q3/26		
	Q	GB 2266998A	11/93	United Kingdom	H01Q3/26		
	R	WO95/34997A	12/96	PCT			

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	S	Per Zetterberg, "The Spectrum Efficiency of a Basestation Antenna Array System for Spatially Selective Transmission," 1-24-94, pp. 1-37.
	T	Per Zetterberg, Björn Ottersten, "Experiments Using an Antenna Array in a Mobile Communications Environment," 4-21-94, 5 pages
	U	North et al., "Multichannel Adaptive Equalization for Improved Performance in LOS Digital Radio," 1994 IEEE MILCOM. Conference Record (CAT. No. 94 CH34009), Proceedings of MILCOM '94, Fort Monmouth, NJ, USA Oct. 2 - 5, pg. 117-122, Vol. 1, XP002065786.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.